

Other: Dynamic Aviation B200 T 08/25/17 Science Report

Aircraft: Other: Dynamic Aviation B200 T - 17M048

Date: Friday, August 25, 2017

Mission Location: Greenland

Mission Summary:

Hi all,

LVIS flew its first science mission in Greenland today under clear sky conditions: NWgrid_1 (high priority) - 2 long lines along the NW coast.

Some delays and laser liquid chiller debugging this morning meant we weren't able to add the extra lines that we had hoped to squeeze in.

Conditions on the flight lines were excellent, cloud-free.

Some instrument data system problems and a small plane issue were encountered in the flight: the computer was restarted several times during the flight causing us to lose some data coverage, and an attitude-autopilot issue meant that some line segments had to be handflown. We plan to trouble shoot these issues tomorrow, followed by a down day on Sunday.

Thule was very pleasant today, with lots of sun and no wind. However, 60knot winds are forecast over the weekend (the plane has been moved into a hanger for safety) along with rain (to help replenish the omnipresent mud...).

Cheers from the LVIS team and the B-200T crew!

Thanks
Michelle

Submitted by: J. Bryan Blair on 10/04/17

File:

 [lvis_nwgrid_825.pdf](#)

Related Flight Report:

Other: Dynamic Aviation B200 T 08/25/17

Flight Number: OIBSM17-SciF01

Payload Configuration: OIB-LVISF2017

Nav Data Collected: No

Total Flight Time: 5.3 hours

Submitted by: J. Bryan Blair on 10/04/17

Flight Segments:

From:	BGTL	To:	BGTL
Start:	08/25/17 13:12 Z	Finish:	08/25/17 18:27 Z
Flight Time:	5.3 hours		
Log Number:	17M048	PI:	Nathan Kurtz
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	17M048
Flight Hours Approved in SOFRS	123
Total Used	128.5
Total Remaining	-5.5

17M048 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
08/16/17	OIBSM17-TF01	Check	2.1	2.1	120.9	

08/17/17	OIBSM17-TF02	Check	4	6.1	116.9
08/19/17	OIBSM17-TF03	Check	2.6	8.7	114.3
08/21/17	OIBSM17-TF04	Check	2.4	11.1	111.9
08/21/17	OIBSM17-TF04	Check	1.7	12.8	110.2
08/22/17	OIBSM17-FF01	Ferry	2.2	15	108
08/22/17	OIBSM17-FF01	Ferry	3.1	18.1	104.9
08/23/17	OIBSM17-FF02	Ferry	4	22.1	100.9
08/24/17	OIBSM17-FF03	Ferry	3.6	25.7	97.3
08/25/17	OIBSM17-SciF01	Science	5.3	31	92
08/29/17	OIBSM17-SciF02	Science	7	38	85
08/30/17	OIBSM17-SciF03	Science	5.5	43.5	79.5
09/01/17	OIBSM17-SciF04	Science	4	47.5	75.5
09/02/17	OIBSM17-SciF05	Science	5.6	53.1	69.9
09/04/17	OIBSM17-SciF06	Science	7.7	60.8	62.2
09/05/17	OIBSM17-SciF07	Science	7.3	68.1	54.9
09/06/17	OIBSM17-SciF08	Science	4.2	72.3	50.7
09/09/17	OIBSM17-SciF09	Science	6.5	78.8	44.2
09/12/17	OIBSM17-SciF10	Science	5.9	84.7	38.3
09/12/17	OIBSM17-SciF11	Science	5.1	89.8	33.2
09/13/17	OIBSM17-SciF12	Science	6	95.8	27.2
09/18/17	OIBSM17-SciF13	Science	4.4	100.2	22.8
09/19/17	OIBSM17-SciF14	Science	6.6	106.8	16.2
09/20/17	OIBSM17-SciF15	Science	6.5	113.3	9.7
09/21/17	OIBSM17-FF04	Ferry	4.1	117.4	5.6
09/22/17	OIBSM17-FF05	Ferry	4	121.4	1.6
09/22/17	OIBSM17-FF05	Ferry	2.1	123.5	-0.5
09/22/17	OIBSM17-FF05	Ferry	1	124.5	-1.5
10/05/17	OIBSM17-TF05	Check	4	128.5	-5.5

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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